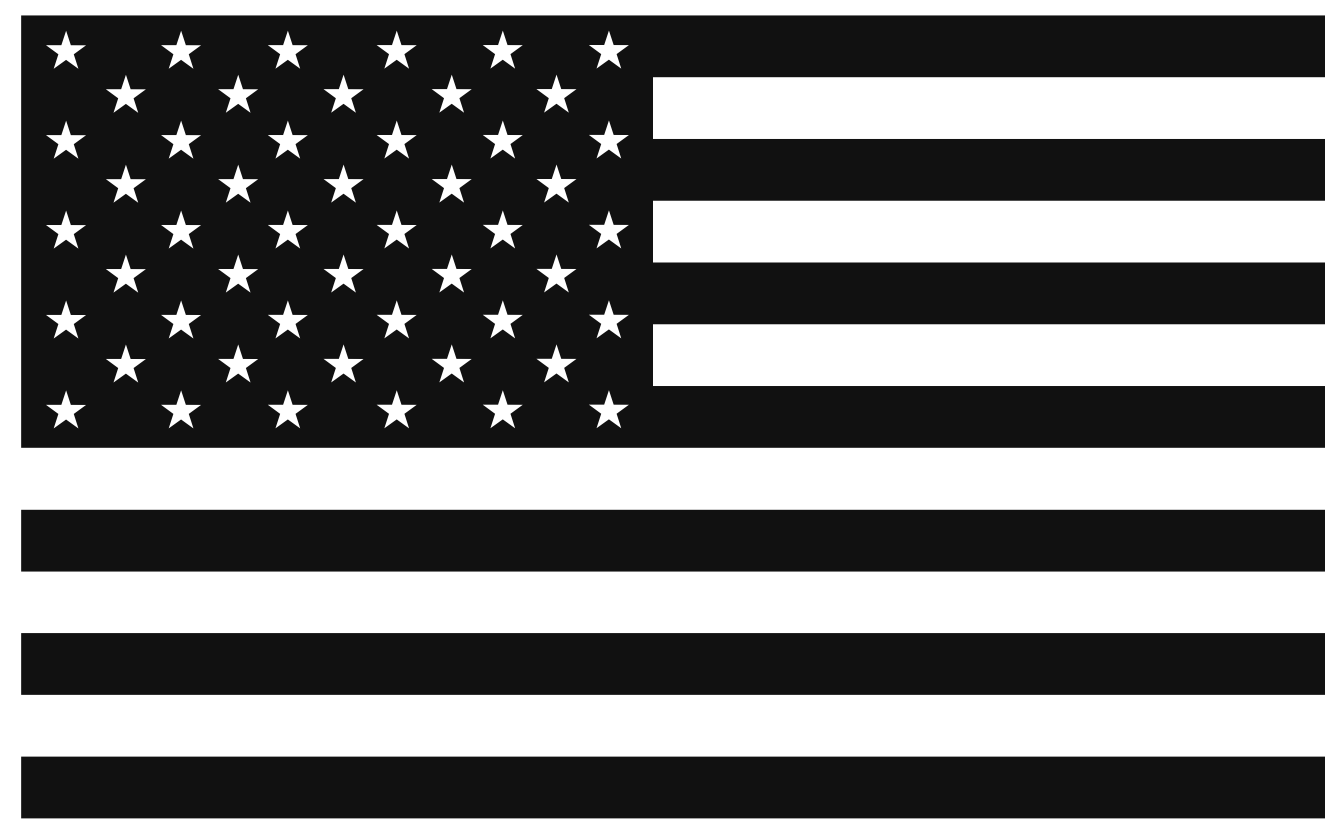


FREEDOM

★ LIGHTING SUPPLY ★



EST 2022

4PC PLUG & PLAY FRAME STRIP KIT

INSTALLATION GUIDE



UNIVERSAL FIT FOR CARS • LOWERED TRUCKS • LIFTED TRUCKS

Pure White • RGB+White

PLUG & PLAY • PRE-INSTALLED 3M ADHESIVE • INSTALL SUPPORT

239-300-8339 | info@freedomlightingsupply.com | freedomlightingsupply.com

BEFORE YOU BEGIN

Freedom Lighting Supply 4PC Plug & Play Frame Strip Kits are universal-fit systems designed for compatible 12V cars, lowered trucks, and lifted trucks. Exact strip placement may vary based on chassis design, ground clearance, suspension, and desired light coverage.

TEST THE COMPLETE SYSTEM BEFORE MOUNTING

Temporarily connect and test all four strips, the controller, RF remote, and compatible app before removing any 3M adhesive backing.

RECOMMENDED STRIP LAYOUT

- 4-foot strip - Front of vehicle
- 6-foot strip - Driver side
- 6-foot strip - Passenger side
- 4-foot strip - Rear of vehicle

TWO SEPARATE LIGHTING CIRCUITS

The kits are intentionally divided into two Plug&Play circuits for proper power distribution and optimal performance. The front 4-foot strip connects to the passenger-side 6-foot strip. The rear 4-foot strip connects to the driver-side 6-foot strip. Each completed circuit has its own approximately 5-foot lead routed from the driver-front area toward the engine-bay control box.

STEP 1 Lay Out & Test the System

Lay all four strips around the vehicle in their intended positions. Connect the strips according to the two-circuit layout and confirm the complete system operates before permanent mounting.

STEP 2 Plan Strip Placement

Place the 4-foot strips at the front and rear and the 6-foot strips along the driver and passenger sides. Adjust exact placement for even illumination and safe vehicle clearance.

STEP 3 Choose Safe Mounting Surfaces

Choose solid, smooth surfaces where each strip can sit flat. Keep the strips away from exhaust heat, drivetrain components, steering, suspension, tires, sharp edges, pinch points, road contact, and vehicle lift or jack points.

STEP 4 Test-Fit Before Removing 3M Backing

Hold each strip in its final position and verify light direction, wiring routes, connector locations, and ground clearance before exposing the adhesive.

STEP 5 Prepare the Mounting Surface

Thoroughly remove dirt, dust, oil, grease, wax, and other contamination from the mounting area. Allow the surface to dry completely before applying the strip.

STEP 6 Mount the Strips

Remove the protective backing from the pre-installed 3M adhesive without touching the adhesive surface. Position each strip carefully, then press firmly and evenly along its full length.

STEP 7 Connect the Two Strip Circuits

Connect the front 4-foot strip to the passenger-side 6-foot strip. Connect the rear 4-foot strip to the driver-side 6-foot strip. Leave the two capped/no-wire ends exactly where shown on the wiring diagram.

4PC PLUG & PLAY FRAME STRIP KIT

WIRING DIAGRAM

CONTROL BOX
(MOUNT IN ENGINE BAY)

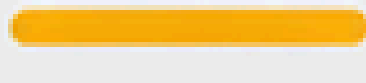
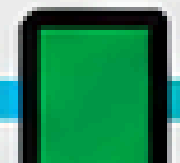
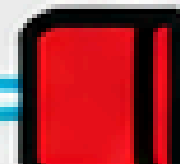


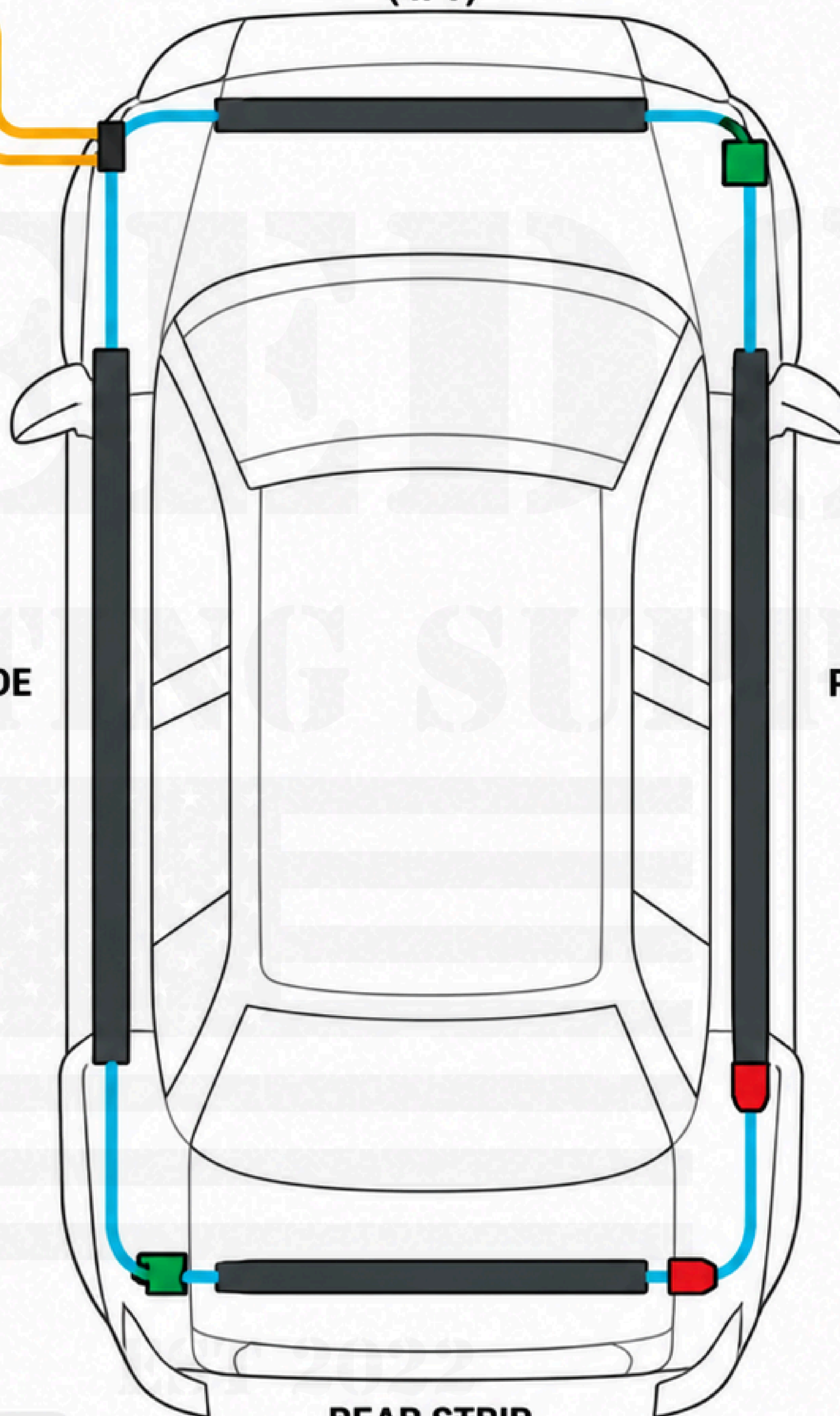
FRONT STRIP
(4FT)

DRIVER SIDE STRIP
(6FT)

PASSENGER SIDE STRIP
(6FT)

REAR STRIP
(4FT)

-  5 FT LEAD TO CONTROL BOX (TWO SEPARATE WIRES)
-  STRIPS PLUG TOGETHER
-  CAPPED END - NO WIRE



FINAL WIRING & SYSTEM SETUP

STEP 8 Route Both 5-Foot Leads Forward

At the driver-front area under the vehicle, route both approximately 5-foot circuit leads toward the engine bay and the mounted control box. Secure them along safe chassis routes without pulling or placing tension on the strip connections.

STEP 9 Connect Both Circuits to the Control Box

Connect both Plug & Play circuit leads to the appropriate control-box outputs. Fully seat each connection and protect the wiring from rubbing, dragging, excessive heat, and moving components.

STEP 10 Connect the Control Box to 12V Power

Mount the compatible control box securely in the engine bay near the battery. Connect the supplied positive lead to the positive battery terminal and the supplied negative lead directly to the negative battery terminal. Do not reverse polarity.

STEP 11 Test All Functions

Confirm all four strips illuminate consistently. Verify RF remote operation and LED Show/app control when equipped. On RGB+White systems, verify both color operation and true white operation.

STEP 12 Perform the Final Inspection

Confirm every strip is fully adhered, both circuits are connected correctly, the capped ends are in the correct locations, and all wiring is secured away from the road, exhaust, tires, steering, suspension, drivetrain, sharp edges, and pinch points.

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IMPORTANT - WIRING DIAGRAM
Page 3 is the visual reference for strip orientation, both Plug & Play connection points, the two capped ends, and the two approximately 5-foot leads routed to the engine-bay control box.

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FINAL INSTALLATION CHECKLIST

- Front 4-foot strip connected to passenger-side 6-foot strip.
- Rear 4-foot strip connected to driver-side 6-foot strip.
- Both capped/no-wire ends positioned exactly as shown on Page 3.
- Two approximately 5-foot leads routed from the driver-front area to the control box.
- All Plug & Play connectors fully seated and protected.
- All four strips firmly adhered and all wiring securely supported.
- Control box and direct 12V battery connections secure.
- RF remote and LED Show/app functions tested when applicable.

QUICK TROUBLESHOOTING

No power: verify 12V battery connections, polarity, controller connections, fuse/circuit protection, and Plug & Play connections. One strip does not illuminate: disconnect and reconnect the affected connector and inspect the connection. Flicker or intermittent operation: inspect power, connectors, and wiring for tension, rubbing, pinching, or damage. LED Show connection issues: confirm controller power, Bluetooth, and app permissions, and connect through LED Show rather than the phone's normal Bluetooth menu.

WARRANTY & SUPPORT

Freedom Lighting Supply lighting products are backed by our Limited Lifetime Warranty for the original purchaser, subject to current terms. Controllers are covered for 3 years. Cutting, splicing, extending, or altering the supplied Plug & Play harness may void applicable warranty coverage. Installation support is available Monday-Saturday, 8:00 AM-8:00 PM Eastern Time at 239-300-8339 or info@freedomlightingsupply.com.